

| Lieunonegativities                       | 0                     | 7 17       | 2          |                                                          | D1  |  |  |
|------------------------------------------|-----------------------|------------|------------|----------------------------------------------------------|-----|--|--|
| Essable a secolo a                       | 0                     | 7.17       | -2         | [He].2s <sup>2</sup> .2p <sup>6</sup>                    | Pl  |  |  |
| Effective nuclear<br>charges             | Pb                    | 92.83      | 2          | [Xe].4f <sup>14</sup> .5d <sup>10</sup> .6s <sup>2</sup> | PI  |  |  |
| Electron binding energies                | Synthe                | esis       |            |                                                          | Chl |  |  |
| Atom radii                               | Not avai              | lable      |            |                                                          | Pl  |  |  |
| Valence shell radii                      | Solid state structure |            |            |                                                          |     |  |  |
| physical properties                      | Geometry of lead:     |            |            |                                                          |     |  |  |
| Bulk properties                          | • Pro                 | ototypical | structure: |                                                          | Pl  |  |  |
| (density, resistivity, etc.)             |                       |            |            | lead(II) oxide                                           | Pi  |  |  |
| Thermal properties (melting point, etc.) |                       | SECO       | 1004       | 60 -                                                     | Iod |  |  |
| Thermodynamic properties                 |                       |            |            |                                                          | Pl  |  |  |
|                                          |                       |            |            |                                                          | Hyc |  |  |
| crystallography                          | لر                    |            |            | Pb                                                       | PI  |  |  |
| Crystal structure                        |                       |            |            |                                                          |     |  |  |
| [view VR world]                          |                       |            |            |                                                          | Oxi |  |  |
|                                          | 18                    | (2)        |            |                                                          | Pl  |  |  |
| [view pdb image]                         |                       |            |            |                                                          | Pl  |  |  |
| nuclear properties                       |                       |            |            |                                                          |     |  |  |
| NMR                                      |                       |            |            |                                                          | Pl  |  |  |

Naturally occurring isotopes Radioisotopes WebElements WebElements

Scholar Edition

book store

# Isotope pattern

What follows is the calculated isotope pattern for the PbO unit with the most intense ion set to 100%.

Suli

Sel

Tell

Ы

Ы

Ы

n

| Formula: | $Pb_1O_1$ |
|----------|-----------|
|----------|-----------|

| mass | 용    |   |  |  |  |  |
|------|------|---|--|--|--|--|
| 220  | 2.7  | _ |  |  |  |  |
| 221  | 0.0  | _ |  |  |  |  |
| 222  | 45.9 |   |  |  |  |  |
| 223  | 42.1 |   |  |  |  |  |

PalmElements for your Palm

WebElements online

0.2

224 100.0

225

Ы Niti

## WapElements Suppliers for your phone

Coming soon....

0.1

Copyright

### Acknowledgements

Help

About WebElements

WebElements wall chart



### References

The data on these compounds pages are assembled and adapted from the primary literature and several other sources including the following.

- R.T. Sanderson in Chemical Periodicity, Reinhold, New York, USA, 1960.
- N.N. Greenwood and A. Earnshaw in Chemistry of the Elements, 2nd edition, Butterworth, UK, 1997.
- F.A. Cotton, G. Wilkinson, C.A. Murillo, and M. Bochmann, in *Advanced Inorganic Chemistry*, John Wiley & Sons, 1999.
- A.F. Trotman-Dickenson, (ed.) in Comprehensive Inorganic Chemistry, Pergamon, Oxford, UK, 1973.
- R.W.G. Wyckoff, in Crystal Structures, volume 1, Interscience, John Wiley & Sons, 1963.
- A.R.West in Basic solid state chemistry Chemistry, John Wiley & Sons, 1999.
- A.F. Wells in Structural inorganic chemistry, 4th edition, Oxford, UK, 1975.
- J.D.H. Donnay, (ed.) in Crystal data determinative tables, ACA monograph number 5, American Crystallographic Association, USA, 1963.
- D.R. Lide, (ed.) in Chemical Rubber Company handbook of chemistry and physics, CRC Press, Boca Raton, Florida, USA, 77th edition, 1996.
- J.W. Mellor in A comprehensive treatise on inorganic and theoretical chemistry, volumes 1-16, Longmans,



London, UK, 1922-1937.

J.E. Macintyre (ed.) in *Dictionary of inorganic compounds*, volumes 1-3, Chapman & Hall, London, UK, 1992.

WebElements is the periodic table on the WWW

₩ebElements<sup>TM</sup>, the periodic table on the WWW, URL: http://www.webelements.com/ Copyright 1993-2003 Mark Winter [The University of Sheffield and WebElements Ltd, UK]. All rights reserved.

Document served: Monday 29th September, 2003